

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DESIGNED PROTEIN PORES AS COMPONENTS FOR BIOSENSORS, the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. SERIAL NO.	FILING DATE	STATUS
60/053,737	July 25, 1997	PENDING

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: J. Peter Fasse, Reg. No. 32,983, Ingrid A. Beattie, Reg. No. P-42,306, John W. Freeman, Reg. No. 29,066; Janis K. Fraser, Reg. No. 34,819; Y. Rocky Tsao, Reg. No. 34,053; Anita L. Meiklejohn, Reg. No. 35,283; John F. Hayden, Reg. No. 37,640; and Eldora L. Ellison, Reg. No. 39,967.

Address all telephone calls to J. Peter Fasse at telephone number 617/542-5070.

Address all correspondence to J. Peter Fasse, Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Hagan Baylev

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Citizen of: United Kingdom

Post Office Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Orit Braha

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Citizen of: Israel

Post Office Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Full Name of Inventor: John Kasianowicz

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400

Citizen of: United States of America

Post Office Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400

Full Name of Inventor: Eric Gouaux

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: 533 West 112th Street, Apt. 6E, New York, NY 10025

Citizen of: United States of America

Post Office Address: 533 West 112th Street, Apt. 6E, New York, NY 10025

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PATENT  
ATTORNEY DOCKET NO: 07917/062001

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- ☐ is attached hereto.  
☒ was filed on July 24, 1998 as Application Serial No. 09/122,583  
and was amended on \_\_\_\_\_  
☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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<u>60/053,737</u>	<u>July 25, 1997</u>	<u>PENDING</u>

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Full Name of Inventor: Hagan Bayley

Inventor's Signature: \_\_\_\_\_

Date: 12/7/98

Residence Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Citizen of: United Kingdom

Post Office Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Full Name of Inventor: OritInventor's Signature: *[Signature]*

Date: \_\_\_\_\_

Residence Address: 1800 Springbrook Estates Drive, College Station, Texas 77845Citizen of: IsraelPost Office Address: 1800 Springbrook Estates Drive, College Station, Texas 77845Full Name of Inventor: John Kasianowicz

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400Citizen of: United States of AmericaPost Office Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400Full Name of Inventor: Eric Gouaux

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: 533 West 112th Street, Apt. 6E, New York, NY 10025Citizen of: United States of AmericaPost Office Address: 533 West 112th Street, Apt. 6E, New York, NY 10025

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Full Name of Inventor: Orit Brah

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Citizen of: Israel

Post Office Address: 1800 Springbrook Estates Drive, College Station, Texas 77845

Full Name of Inventor: John Kasianowicz

Inventor's Signature: John J. Kasianowicz Date: 11 September, 1998

Residence Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400

Citizen of: United States of America

Post Office Address: 14701 Lancraft Court, Darnestown, Maryland 20874-3400

Full Name of Inventor: Eric Gouaux

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: 533 West 112th Street, Apt. 6E, New York, NY 10025

Citizen of: United States of America

Post Office Address: 533 West 112th Street, Apt. 6E, New York, NY 10025

327369.B11

For valuable consideration, we, Hagan Bayley, of College Station, Texas,  
Orit Braha, of College Station, Texas; hereby assign to University of Massachusetts, a Massachusetts  
corporation having a place of business at One Beacon Street, Boston, Massachusetts 02108, and its  
successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest  
throughout the world in the inventions and improvements which are subject of an application for United  
States Patent signed by us, entitled DESIGNED PROTEIN PORES AS COMPONENTS FOR  
BIOSENSORS, filed July 25, 1997, and assigned U.S. Serial Number 60/053,737, this assignment  
including said application, any and all United States and foreign patents, utility models, and design  
registrations granted for any of said inventions or improvements, and the right to claim priority based on  
the filing date of said application under the International Convention for the Protection of Industrial  
Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like  
purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for  
patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates  
for said inventions and improvements; and we agree for ourselves and our respective heirs, legal  
representatives and assigns, without further compensation to perform such lawful acts and to sign such  
further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may  
reasonably request to effectuate fully this assignment.

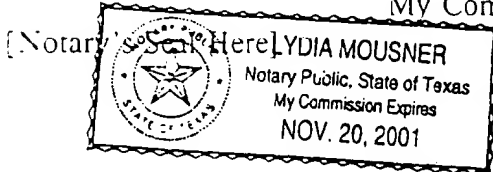
IN WITNESS WHEREOF, I hereto set my hand and seal at College Station, TX,  
this 14<sup>th</sup> day of January, 1998  
HAGAN BAYLEY L.S.

STATE OF TEXAS:  
COUNTY OF BRAZOS: ss.

Before me this 14<sup>th</sup> day of January, 1998 personally appeared  
HAGAN BAYLEY known to me to be the person whose name is subscribed to the foregoing Assignment  
and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Lydia Mousner  
Notary Public

My Commission Expires: 11-20-01



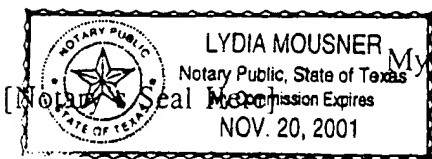
09764985 021504

IN WITNESS WHEREOF, I hereto set my hand and seal at College Station, TX,  
this 15th day of January, 1998  
ORIT BRAHA L.S.

STATE OF TEXAS:  
COUNTY OF BRAZOS: :ss.

Before me this 15th day of January, 1998, personally appeared  
ORIT BRAHA known to me to be the person whose name is subscribed to the foregoing Assignment, and  
acknowledged that she executed the same as her free act and deed for the purposes therein contained.

Lydia Mousner  
Notary Public



My Commission Expires: 11-20-01

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